



Continuous precise orbits for real-time

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The precise near real-time and real-time applications are of raising interest today. The global usage of the efficient applications like a precise point positioning are still the great challenge. Satellite clocks and precise orbits product available for real-time are necessary to support such applications. There are more ways in preparing the valuable products. On one side the clocks and orbits are predicted, on the other side the clocks and orbits are generated in real-time. Nevertheless, there is a middle way of using precise predicted orbits for estimating the clocks in the real-time. In such case, it would be desirable to have a continuous precise orbits from the predictions.

This presentation shows the possible way of generation such continuous precise orbits using present IGS ultra-rapid product or any other similar existing precise product. The approach is described and the resulted continuous orbits are backward evaluated with respect to the IGS final orbits. The possible way of such product distribution and utilization is discussed.